

Serial No. 09/613,389  
September 30, 2005  
Reply to the Office Action dated April 8, 2005  
Page 2 of 10

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

Claim 1 (canceled)

Claim 2 (previously presented): A loudspeaker having a desired bandwidth comprising:

a spherical or hemispherical vibrator having a natural resonant frequency;

a first baffle board to mount the vibrator;

a second baffle board arranged with a space between the second baffle board and first baffle board; and

a plurality of spacers for connecting the first baffle board and second baffle board;

wherein the natural resonant frequency of the vibrator has a value that is greater than any frequency in the desired bandwidth of the loudspeaker.

Claim 3 (previously presented): A loudspeaker as claimed in claim 2, wherein the first and second baffle boards have natural resonant frequencies which are lower than the natural resonant frequency of the vibrator.

Claim 4 (previously presented): A loudspeaker as claimed in claim 2, wherein the first baffle board and second baffle board have the natural resonant frequencies which are different from each other.

Serial No. 09/613,389  
September 30, 2005  
Reply to the Office Action dated April 8, 2005  
Page 3 of 10

Claim 5 (original): A loudspeaker as claimed in claim 4, wherein the first and second baffle boards have natural resonant frequencies which are lower than the natural resonant frequency of the vibrator.

Claim 6 (previously presented): A loudspeaker as claimed in claim 2, wherein the resonance frequency of the space is different from the natural resonant frequency of the vibrator, and different from the natural resonant frequencies of the baffle boards.

Claim 7 (previously presented): A loudspeaker as claimed in claim 2, wherein the resonance frequency of the space is lower than the natural resonant frequency of the vibrator.

Claim 8 (original): A loudspeaker as claimed in claim 6, wherein the resonance frequency of the space is lower than the natural resonant frequency of the vibrator.

Claim 9 (previously presented): A loudspeaker as claimed in claim 2, wherein the resonance frequency of the space is higher than one of said first and second baffle boards, and lower than the other of said first and second baffle board.

Claim 10 (original): A loudspeaker as claimed in claim 6, wherein the resonance frequency of the space is higher than one of said first and second baffle boards, and lower than the other of said first and second baffle board.

Claim 11 (previously presented): A loudspeaker as claimed in claim 2, wherein said plurality of spacers includes four spacers.

Claim 12 (previously presented): A loudspeaker as claimed in claim 2, wherein said first baffle board is approximately circular.

Serial No. 09/613,389  
September 30, 2005  
Reply to the Office Action dated April 8, 2005  
Page 4 of 10

Claim 13 (currently amended): A loudspeaker comprising:  
a spherical or hemispherical vibrator;  
a first baffle board having first and second major surfaces, said vibrator being mounted on the first major surface of the first baffle board so as to extend outwardly therefrom;  
a second baffle board arranged so as to be spaced from the first baffle board;  
and  
a plurality of spacers for connecting the first baffle board and second baffle board; wherein  
the second baffle board is arranged such that the first baffle board is disposed between the vibrator and the second baffle board;  
the first baffle board and the second baffle board are spaced from each other so as to define an open space between; and  
only the plurality of spacers extends into the open space.

Claim 14 (previously presented): A loudspeaker as claimed in claim 13, wherein the natural resonant frequency of the vibrator has a value that is greater than any frequency in the desired bandwidth of the loudspeaker.

Claim 15 (previously presented): A loudspeaker as claimed in claim 13, wherein the first and second baffle boards have natural resonant frequencies which are lower than the natural resonant frequency of the vibrator.

Claim 16 (previously presented): A loudspeaker as claimed in claim 13, wherein the first baffle board and second baffle board have natural resonant frequencies which are different from each other.

Serial No. 09/613,389  
September 30, 2005  
Reply to the Office Action dated April 8, 2005  
Page 5 of 10

Claim 17 (previously presented): A loudspeaker as claimed in claim 16, wherein the first and second baffle boards have natural resonant frequencies which are lower than the natural resonant frequency of the vibrator.

Claim 18 (previously presented): A loudspeaker as claimed in claim 13, wherein the resonance frequency of the space is different from the natural resonant frequency of the vibrator, and different from the natural resonant frequencies of the baffle boards.

Claim 19 (previously presented): A loudspeaker as claimed in claim 13, wherein the resonance frequency of the space is lower than the natural resonant frequency of the vibrator.

Claim 20 (previously presented): A loudspeaker as claimed in claim 18, wherein the resonance frequency of the space is lower than the natural resonant frequency of the vibrator.

Claim 21 (previously presented): A loudspeaker as claimed in claim 13, wherein the resonance frequency of the space is higher than one of said first and second baffle boards, and lower than the other of said first and second baffle boards.

Claim 22 (previously presented): A loudspeaker as claimed in claim 18, wherein the resonance frequency of the space is higher than one of said first and second baffle boards, and lower than the other of said first and second baffle boards.